



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: T. Puzak  
Appl. No.: 09/458,883  
Filed: 12/10/1999

Examiner: Wood, William H.  
Grp./A.U.: 2183  
Doc. No.: YO999-589

Title: Prefetching Using Future Branch Path Information Derived from Branch Prediction

#8/B  
D.Cotton  
65-03

CERTIFICATE OF MAILING UNDER 37CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D. C. 20231 on May 27, 2003.

Michael J. Buchenhorner  
Michael J. Buchenhorner

Honorable Commissioner for Patents  
Washington, D. C. 20231

RECEIVED

JUN 04 2003

RESPONSE TO FINAL ACTION

Technology Center 2100

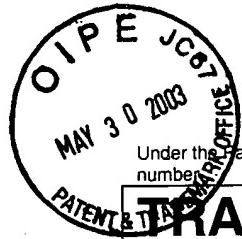
Sir:

In response to an Office Action of December 17, 2002, please amend claims 21 and 22 of the above-identified application as follows:

**In the claims:**

1. (Once amended) In a system including a high speed buffer logically placed between memory and at least one processor unit, a method for executing an instruction stream stored in the memory, wherein the instruction stream comprises a sequence of instructions including at least one prefetch instruction that prefetches information from the memory into the high speed buffer, the method comprising the steps of:

Please Enter 147405



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

AP/2700

# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

|  |  |                               |                  |
|--|--|-------------------------------|------------------|
|  |  | <b>Application Number</b>     | 09/458,883       |
|  |  | <b>Filing Date</b>            | 12/10/1999       |
|  |  | <b>First Named Inventor</b>   | Thomas R. Puzak  |
|  |  | <b>Group Art Unit</b>         | 2183             |
|  |  | <b>Examiner Name</b>          | Wood, William H. |
| Total Number of Pages in This Submission |  | <b>Attorney Docket Number</b> | YO999-589        |

## ENCLOSURES (check all that apply)

|  |   |   |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input checked="" type="checkbox"/> Amendment / Reply<br><input checked="" type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application)<br><input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br><input type="checkbox"/> Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br><input type="checkbox"/> Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><b>Remarks</b> | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences (in triplicate)<br><input type="checkbox"/> Notice of Appeal<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify below):<br>2 Return postcards |
|--|---|---|

RECEIVED

JUN 04 2003

Technology Center 2100

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|                         |  |
|-------------------------|--|
| Firm or Individual name | International Business Machines Corp.<br>Michael J. Buchenhorner |
| Signature               | <i>Michael J. Buchenhorner</i>                                   |
| Date                    | May 27, 2003   |

## CERTIFICATE OF MAILING

|  |  |                                |              |
|--|--|--------------------------------|--------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Box Appeal Brief - Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: |  |                                |              |
| Typed or printed name  |  | Michael J. Buchenhorner        |              |
| Signature  |  | <i>Michael J. Buchenhorner</i> | Date 5/27/03 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.